

**ABSTRACT OF THE DISCLOSURE**

A point-to-point transit system for riders includes an elongate guideway, a plurality of autonomous vehicles disposed in the guideway, a plurality of selectively actuable rider access portals in the side of the guideway, and a control system, configured to automatically guide the vehicles within the guideway. The rider access portals are configured to allow ingress and egress of riders to the autonomous vehicles in the guideway. The control system is configured to allow each vehicle to travel between origin and destination locations that are independently selected by a rider.